




ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18

Stylesheet Version v18.0

Title of Invention	PROGRAMMABLE INTEROPERABLE APPLIANCE REMOTE CONTROL						
Application Number:		10/630168					
Confirmation Number:		7640					
First Named Applicant:		Keith Christenson					
Attorney Docket Number:		LEAR 03959 PUS					
Search string:		(5154617 or 5278547 or 5455716 or 5442340 or 5475366 or 5479155 or 5583485 or 5614885 or 5614891 or 5619190 or 5646701 or 5627529 or 5661455 or 5661651 or 5661804 or 5686903 or 5691848 or 5699044 or 5699054 or 5699055 or 5708415 or 5793300 or 5845593 or 5903226 or 5940000 or 6091343 or 6137421 or 20020190872 or 20020197955 or 20030197594 or 20030197595 or 20030216139 or 20030228879).pn.					
US Patent Documents							
Note: Applicant is not required to submit a paper copy of cited US Patent Documents							
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US Published Applications

Note: Applicant is not required to submit a paper copy of cited US Published Applications

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Signature

Examiner Name	Date
<i>[Signature]</i>	5/6/05



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Title of
Invention

PROGRAMMABLE INTEROPERABLE APPLIANCE
REMOTE CONTROL

Application Number: 10/630168



Confirmation Number: 7640

First Named Applicant: Keith Christenson

Attorney Docket Number: LEAR 03959 PUS

Search string: (5680134 or 5841390 or 6005508 or 6243000
or 6249673 or 6359558 or 6441719 or 6556813
or 20020137479 or 20020163440 or
20030067394 or 20030076235 or
20030189530).pn.

US Patent Documents





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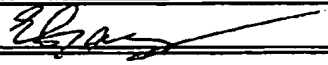
US Published Applications

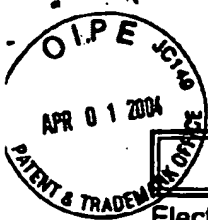
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Signature


Examiner Name	Date
	5/11/05

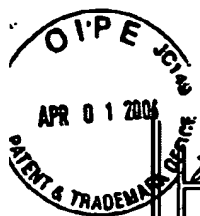


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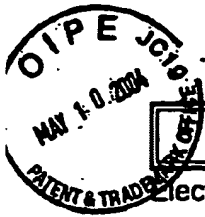
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21	6166650	2000-12-26	Bruwer	
22	6175312	2001-01-16	Bruwer et al.	B1
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24	6191701	2001-02-20	Bruwer	B1
25	6271765	2001-08-07	King et al.	B1
26	6308083	2001-10-23	King	B2
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30	6525645	2003-02-25	King et al.	B2
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34	3456387	1969-07-22	C. A. Tolson	
35	4167833	1979-09-18	Farina et al.	
36	5109222	1992-04-28	Welty	
37	6362771	2002-03-26	Schofield et al.	B1
38	6634408	2003-10-21	Mays	B2

US Published Applications

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Elmer				5/11/05		



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Search string:



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Note: Applicant is not required to submit a paper copy of cited US Patent Documents

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12	4598287	1986-07-01	Osakabe et al.
13	4623887	1986-11-18	Welles II
14	4631708	1986-12-23	Wood et al.
15	4635033	1987-01-06	Inukai et al.
16	4676601	1987-06-30	Itoh et al.
17	4707788	1987-11-17	Tashiro et al.
18	Re32576	1988-01-12	Pastore
19	4727302	1988-02-23	Mizuta et al.
20	4747159	1988-05-24	Kato
21	4754255	1988-06-28	Sanders et al.
22	4771283	1988-09-13	Imoto
23	4793690	1988-12-27	Gahan et al.
24	4825200	1989-04-25	Evans et al.
25	4881148	1989-11-14	Lambropoulos et al.
26	4882565	1989-11-21	Gallmeyer
27	4886960	1989-12-12	Molyneux et al.
28	4890108	1989-12-26	Drori et al.
29	4896030	1990-01-23	Miyaji
30	4905279	1990-02-27	Nishio
31	4917477	1990-04-17	Bechtel et al.
32	4953305	1990-09-04	Van Lente et al.
33	4978944	1990-12-18	Andros et al.
34	4988992	1991-01-29	Heitschel et al.
35	5016996	1991-05-21	Ueno
36	5064274	1991-11-12	Alten
37	5113821	1992-05-19	Fukui et al.
38	5122647	1992-06-16	Lynam et al.
39	5123008	1992-06-16	Beesley
40	5126686	1992-06-30	Tam
41	5181423	1993-01-26	Philipps et al.
42	5225847	1993-07-06	Roberts et al.
43	5266945	1993-11-30	Peek et al.
44	5369706	1994-11-29	Latka

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	46	5408698	1995-04-18	Serizawa et al.
	47	5463374	1995-10-31	Mendez et al.
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	49	5841813	1998-11-24	Van Nee
	50	5103221	1992-04-07	Memmiola
	51	5146215	1992-09-08	Drori
	52	5201067	1993-04-06	Grube et al.
	53	5243322	1993-09-07	Thompson et al.
	54	5252960	1993-10-12	Duhamel
	55	5252977	1993-10-12	Lueker et al.
	56	5420925	1995-05-30	Michaels
	57	5471668	1995-11-28	Soenen et al.
	58	5517187	1996-05-14	Bruwer et al.
	59	5564101	1996-10-08	Elsfeld et al.
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Signature

Examiner Name	Date
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Complete if Known

Application Number	10/630.168
Filing Date	July 30, 2003
First Named Inventor	Keith A. Christenson et al.
Group Art Unit	2681
Examiner Name	Unknown

Sheet	1	of	3	Attorney Docket Number	LEAR 03959 PUS (03959)
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Examiner Signature	<i>Ela</i>	Date Considered	3/11/25
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language translation is attached.

Substitute for Form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Complete if Known	
				Application Number	10/630,168
				Filing Date	July 30, 2003
				First Named Inventor	Keith A. Christenson et al.
				Group Art Unit	2681
Examiner Name	Unknown				
Sheet	2	of	3	Attorney Docket Number	LEAR 03959 PUS (03959)

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.†	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T‡
EH	—	Garage Door/Gate Remote Control User's Instructions (Model 39), Skylink Technologies Inc., 2002. NO MONTH LISTED	—
	—	HomeLink Wireless Control System Lighting Kit Installation, http://www.homelink.com/print/lighting_print.html . NO DATE LISTED	—
	—	HomeLink Wireless Control System Frequently Asked Questions, http://www.homelink.com/print/faq_print.html . NO DATE LISTED	—
	—	HomeLink Universal 2 Channel Receiver Model PR433-2, Installation Instructions, 114A2437, 2000. NO MONTH LISTED	—
	—	Getting Started with HomeLink, Programming Garage Door Openers and Gates. NO DATE LISTED	—
	—	HomeLink Universal Transceiver Lighting Package Programming. NO DATE LISTED	—
	—	Microchip HCS360 Keeloq Code Hopping Encoder, Microchip Technology Inc., DS40152E, 2002. NO MONTH LISTED	—
	—	Microchip TB003, An Introduction to Keeloq Code Hopping, Microchip Technology Inc., DS91002A, 1996. NO MONTH LISTED	—
	—	Chamberlain LiftMaster Professional Universal Receiver Model 635LM Owner's Manual, 114A2128C, The Chamberlain Group, Inc., 2002. NO MONTH LISTED	—
	—	Flash2Pass eliminates past garage door opener hassles using a secure and easy-to-install system, Press Release, F2P Electronics, Inc., January 2002.	—
	—	Flash2Pass Easy Set Up Instructions, v031003, F2P Technologies. NO DATE LISTED	—
EH	—	The X-10 Powerhouse Power Line Interface Model #PL513 and Two-Way Power Line Interface Model #TW523, Technical Note, Dave Rye, Rev. 2.4, PL/TWTN/1291. NO DATE LISTED	—

Examiner Signature		Date Considered	5/11/05
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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EH	—	Neural Networks for ECCM, Simon Haykin, McMaster University Communications Research Laboratory Technical Report 282, Neurocomputing for Signal Processing, February 1994. http://www.crl.mcmaster.ca/cgi-bin/makerabs.pl?282 .	—
EH	—	DRFM Theory of Operation, KOR Electronics, Inc., http://www.korelectronics.com/product_sheets/theory-of-operations/drfm-theoryofop.htm . NO DATE LISTED	—
EH	—	Fabrication Process Combines Low Cost and High Reliability, Murat Eron, Richard J. Perko and R. James Gibson, Microwaves & RF, October 1993.	—
EH	—	Pager and Garage Door Opener Combination, Gail Marino, Motorola Technical Developments, vol. 10, March 1990.	—

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Substitute for Form 1449A/PTO			Complete if Known		
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)			Application Number	10/630,168	
			Filing Date	July 30, 2003	
			First Named Inventor	Keith A. Christenson	
			Group Art Unit	2681	
			Examiner Name	Unknown	
Sheet	1	of	2	Attorney Docket Number	LEAR 03959 PUS (03959)



U.S. PATENT DOCUMENTS

Examiner Initials	Cite No. ¹	U.S. PATENT DOCUMENT		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
887	—	4,247,850	—	Marcus	01-27-1981	—
—	—	4,453,161	—	Lemelson	06-05-1984	—
—	—	4,595,228	—	Chu	06-17-1986	—
—	—	4,638,433	—	Schindler	01-20-1987	—
—	—	5,596,316	—	Honeck	01-21-1997	—
—	—	5,613,732	—	Demick	03-25-1997	—
—	—	5,645,308	—	Fink	07-08-1997	—
—	—	5,838,255	—	Di Croce	11-17-1998	—
—	—	5,854,593	—	Dykema et al.	12-29-1998	—
—	—	5,926,087	—	Busch et al.	07-20-1999	—
—	—	5,926,106	—	Beran et al.	07-20-1999	—
—	—	5,940,120	—	Frankhouse et al.	08-17-1999	—
—	—	6,055,508	—	Naor et al.	04-25-2000	—
—	—	6,072,436	—	Marougi	06-06-2000	—

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		Office ⁴	Number ⁴				
887	—	GB	2,335,773	A	Dykema et al.	09-29-1999	—
887	—	WO	00/29699		Magna Auteca	05-25-2000	—

Examiner Signature	<i>[Signature]</i>	Date Considered	5/11/05
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Sheet	2	of	2
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Application Number	10/630,168
Filing Date	July 30, 2003
First Named Inventor	Keith A. Christenson
Group Art Unit	2681
Examiner Name	Unknown
Attorney Docket Number	LEAR 03959 FUS (03959)

**Examiner
Initials:**

Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.

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**Search and Examination Report Under Sections 17 and 18(3),
25 September 2003**

**Examiner
Signature**

Date Considered

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Examiner Signature	<i>[Signature]</i>	Date Considered	<i>5/11/05</i>
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Substitute for Form 1449B/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

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Attorney Docket Number

LEAR 03959 PUS (03959)

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

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Substitution for Form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Complete if Known	
				Application Number	10/630,168
				Filing Date	July 30, 2003
				First Named Inventor	Keith A. Christenson et al.
				Group Art Unit	2681
				Examiner Name	Unknown
Sheet	1	of	2	Attorney Docket Number	LEAR 03959 PUS (03959)

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				Application Number	10/630,168
				Filing Date	July 30, 2003
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				Group Art Unit	2681
				Examiner Name	Unknown
Sheet	2	of	2	Attorney Docket Number	LEAR 03959 PUS (03959)
OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS					
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			T ²
eh	—	Combined Search and Examination Report Under Sections 17 and 18(3) mailed November 2, 2004 for European patent application GB 0416789.6.			—
eh	—	Combined Search and Examination Report Under Sections 17 and 18(3) mailed November 2, 2004 for European patent application GB0416753.2			—
eh	—	Combined Search and Examination Report Under Sections 17 and 18(3) for European Application No. GB0416742.5 dated October 26, 2004			—
eh	—	German Search/Examination Document, German Patent Application No. 103 14 228.2, December 14, 2004			—

Examiner Signature		Date Considered	5/16/05
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				Application Number	10/630,168
				Filing Date	July 30, 2003
				First Named Inventor	Keith Christenson et al.
				Group Art Unit	2601 2617
				Examiner Name	Erika A. Gary
Sheet	1	of	3	Attorney Docket Number	LEAR 03959 PUS (03959)

U.S. PATENT DOCUMENTS

Examiner Initials	Cite No. ¹	U.S. PATENT DOCUMENT		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
[Signature]		4,806,930		Wojciak, Jr.	02-21-1989	[Redacted]
		5,473,317		Inomata et al.	12-05-1995	[Redacted]
		5,554,977		Jablonski et al.	09-10-1996	[Redacted]
		5,831,548		Fitzgibbon	11-03-1998	[Redacted]
		5,872,513		Fitzgibbon et al.	02-16-1999	[Redacted]
		6,008,735		Chiloyan et al.	12-28-1999	[Redacted]
		6,043,753		Okayasu et al.	03-28-2000	[Redacted]
		6,344,817		Verzulli	02-05-2002	[Redacted]
		6,597,291		Tsui	07-22-2003	[Redacted]
		6,690,796		Farris et al.	02-10-2004	[Redacted]
		6,810,123		Farris et al.	10-26-2004	[Redacted]
		6,822,603		Crimmins et al.	11-23-2004	[Redacted]
		2002/0075133		Flick	06-20-2002	[Redacted]
		2003/0033540		Fitzgibbon	02-13-2003	[Redacted]
		2003/0118187		Fitzgibbon	06-26-2003	[Redacted]
[Signature]		2004/0048622		Witkowski et al.	03-11-2004	[Redacted]
		2004/0066936		Farris et al.	04-08-2004	[Redacted]
		2004/0110472		Witkowski et al.	06-10-2004	[Redacted]
		2004/0243813		Farris et al.	12-02-2004	[Redacted]

FOREIGN PATENT DOCUMENTS

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Examiner Signature	<i>[Signature]</i>	Date Considered	6/13/06
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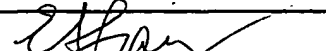
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			Application Number	10/630,168	
			Filing Date	July 30, 2003	
			First Named Inventor	Keith Christenson et al.	
			Group Art Unit	2681 2617	
Examiner Name	Erika A. Gary				
Sheet	2	of	3	Attorney Docket Number	LEAR 03959 PUS (03959)

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Examiner Initials ¹	Cite No. ¹	U.S. PATENT DOCUMENT		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
ER	1	4,178,549		Ledenbach et al.	12-11-1979	
		4,219,812		Rittenbach	08-26-1980	
		4,482,947		Zato et al.	11-13-1984	
		4,529,980		Liotine et al.	07-16-1985	
		4,665,397		Pinnow	05-12-1987	
		4,706,299		Jorgensen	11-10-1987	
		4,912,463		Li	03-27-1990	
		5,085,062		Capdevila	02-04-1992	
		5,193,210		Nicholas et al.	03-09-1993	
		5,412,379		Waraksa et al.	05-02-1995	
ER	1	5,471,668		Soenen et al.	11-28-1995	
		5,528,230		Kim	06-18-1996	

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Examiner Initials ¹	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ²
		Office ³	Number ⁴	Kind Code ⁵ (if known)				
ER	1	GB	2,171,545	A	Jing Tarng Lin	08-28-1986		
		EP	0 670 402	A1	Lectron Products	09-06-1995		

Examiner Signature		Date Considered	10/13/06
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				Group Art Unit	2602 2617
Examiner Name	Erika A. Gary				
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		Number	Kind Code ² (if known)			
[Signature]		4,700,327		Hilton	10-13-1987	
		4,799,189		Grover	01-17-1989	
		5,940,007		Brinkmeyer	08-17-1999	
		6,031,465		Burgess	02-29-2000	
		6,104,101		Miller et al.	08-15-2000	
		6,282,152		Kurple	08-28-2001	
		6,542,076		Joao	04-01-2003	
		6,661,350		Rohrberg et al.	12-09-2003	
		6,759,943		Lucy et al.	07-06-2004	
		6,791,467		Ben Ze'ev	09-14-2004	
[Signature]		6,956,460		Tsui	10-18-2005	

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Examiner Initials	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ²
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